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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,150	10/02/2006	Tetsuya Ikemoto	084437-0164	9339
22428 FOLEV AND	7590 02/05/2008 LARDNER LLP	•	EXAMINER	
FOLEY AND LARDNER LLP SUITE 500			KEYS, ROSALYND ANN	
3000 K STRE	·		ART UNIT PAPER NUMBE	PAPER NUMBER
WMSIIINGTC)11, DC 20007	·	1621	
		,	MAIL DATE	DELIVERY MODE
			02/05/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

j	Application No.	Applicant(s)				
Office Action Commences	10/567,150	IKEMOTO ET AL.	IKEMOTO ET AL.			
Office Action Summary	Examiner	Art Unit				
	Rosalynd Keys	1621				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the maximum patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 3 1.136(a). In no event, however, may a re- ation will apply and will expire SIX (6) MON- atute, cause the application to become AB	CATION. Sply be timely filed THS from the mailing date of this communication ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	•					
2a) This action is FINAL . 2b) ⊠ T	his action is non-final.					
3) Since this application is in condition for allow	wance except for formal matte	ers, prosecution as to the merits i	S			
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D	11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-13</u> is/are pending in the applicati	on.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-13</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and	d/or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the	Examiner. Note the attached	Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the p	•	received in this National Stage				
application from the International Bure						
* See the attached detailed Office action for a I	ist of the certified copies not i	eceived.				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	·	ımmary (PTO-413) /Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/6/06 and 7/10/07.		formal Patent Application				

DETAILED ACTION

Status of Claims

1. Claims 1-13 are pending.

Claims 1-13 are rejected.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

3. The information disclosure statements submitted on February 6, 2006 and July 10, 2007 have been considered by the examiner.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 6-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Gu (J. Org. Chem., Vol. 51, No. 26, December 1986, pp. 5425-5427).

Gu et al. teach a compound having the claimed formula (I), see compound 2, right column of page 5425.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. The factual inquiries set forth in *Graham* **v.** *John Deere* Co., 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 9. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gu (J. Org. Chem., Vol. 51, No. 26, December 1986, pp. 5425-5427) in view Beauchamp et al. (J. Med. Chem., Vol. 31, No. 1, January 1988, pp. 144-149) and further in view of Horino et al. (US 5,739,100).

Gu et al. teach a compound having the claimed formula (I) and a process of preparing said compound by reacting a compound having the claimed formula (V) in the presence of a

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base, such as sodium hydroxide (see reaction Scheme II on page 5425 and the General Procedure, right column on page 5426). Gu et al. inherently teach the claimed method of protecting a hydroxyl group, since Gu et al. teach reacting a hydroxyl group-containing compound with a compound having the claimed formula (I) in the presence of an acid (see page 5425 right column thru to the General Procedure, right column on page 5426, in particular the left column on page 5426).

Gu et al. differ from the instant claims in that they obtain their starting compound having the claimed formula (V) by a different method.

Beauchamp et al. teach a method of preparing the compound having the claimed formula (V) by reaction of a compound having the claimed formula (III) with a compound having the claimed formula (IV), see preparation method for compound (3), left column of page 147.

One having ordinary skill in the art the time the invention was made would have found it obvious to utilize any known method of obtaining the starting material of Gu et al., including the method of Beauchamp et al., with a reasonable expectation of success. The claim would have been obvious because "a person of ordinary skill has good reason to pursue the known options within his or her technical grasp. If this leads to the anticipated success, it is likely the product not of innovation but of ordinary skill and common sense." KSR International Co. v. Teleflex Inc., 550 U.S.____, 82 USPQ2d 1385, 1395-97 (2007).

Gu et al. further differ from the instant claims when the acid catalyst is pyridinium p-toluenesulfonate or p-toluenesulfonic acid.

Horino et al. teach that pyridinium p-toluenesulfonate and p-toluenesulfonic acid are conventional acid catalysts (see column 4, lines 25-37).

One having ordinary skill in the art at the time the invention was made would have found it obvious to utilize any known acid catalyst in place of the sulfuric acid disclosed by Gu et al.,

including any of the conventional acid catalysts disclosed by Horino et al. with a reasonable expectation of success. Further, the selection of a known material based on its suitability for its intended use supported a prima facie obviousness determination in Sinclair & Carroll Co. v. Interchemical Corp., 325 U.S. 327, 65 USPQ 297 (1945).

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rosalynd Keys whose telephone number is 571-272-0639. The examiner can normally be reached on M, R & F 5:30-7:30 am & 1-5 pm; T & W 5:30 am-4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Rosalynd Keys/ Primary Examiner Art Unit 1621